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The Trusted Integrator for Sustainable Solutions

REMOVAL SUPPORT TEAM 3
EPA CONTRACT EP-S2-14-01

May 5, 2016

Eric Daly, On-Scene Coordinator
U.S. Environmental Protection Agency
Response & Prevention Branch
2890 Woodbridge Avenue
Edison, NJ 08837

EPA CONTRACT NO: EP-S2-14-01

TDD NO: TO-0006-0061

DOCUMENT CONTROL NO: RST3-02-F-0127

SUBJECT: STRUCTURAL EVALUATION - NIAGARA FALLS BOULEVARD SITE

Dear Mr. Daly,

On April 27, 2016, Weston Solutions, Inc. George Weaver (Structural Engineer) performed a structural evaluation of the building at 9540 Niagara Falls Boulevard, Niagara Falls, Niagara County, New York. Specifically, Mr. Weaver was tasked to determine the feasibility of removing portions of the existing concrete floor slab in the 9540 Niagara Falls Boulevard Building in order to remove contaminated soils below the slab. Three specific areas in the building were identified where the slab is to be removed: Office Area, Storage 4 Area, and Warehouse 3 Area (see attached Figure 1).

The following is a summary of Mr. Weaver's evaluation:

Office Area (see attached Figure 2)

Walls marked NB: Non-bearing, wood-framed interior walls that bear directly on the top of the floor slab. These walls can be removed.

Walls marked LB: Load-bearing, wood-framed interior wall that bears directly on the top of the floor slab. This wall supports the roof joists spanning in the E-W direction. Roof joists need to be shored prior to removing wall. Wall to be removed in sections to access slab and soils below the wall and new footing installed prior to moving on to another section of wall.

an employee-owned company



In association with Scientific and Environmental Associates, Inc.,
Environmental Compliance Consultants, Inc., Avatar Environmental, LLC,
On-Site Environmental, Inc., and Sovereign Consulting, Inc.

The exterior north, west, and south walls and the interior (former exterior) east wall are all CMU (concrete masonry units) walls. The bottom of these wall footings should be approximately 3'-6" below top of floor slab. Removal of the floor slab will not affect these walls.

Storage 4 Area (see attached Figure 3)

The exterior north and west walls and the interior (former exterior) south and east walls are all CMU walls. The bottom of these wall footings should be approximately 3'-6" below the top of the floor slab. Removal of the floor slab will not affect these walls.

Warehouse 3 Area (see attached Figure 4)

The exterior north, east, and west walls and the interior (former exterior) south wall are all CMU walls. The bottom of these wall footings should be approximately 3'-6" below the top of the floor slab. Removal of the floor slab will not affect these walls.

Sincerely,

Weston Solutions, Inc.



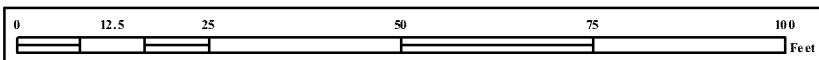
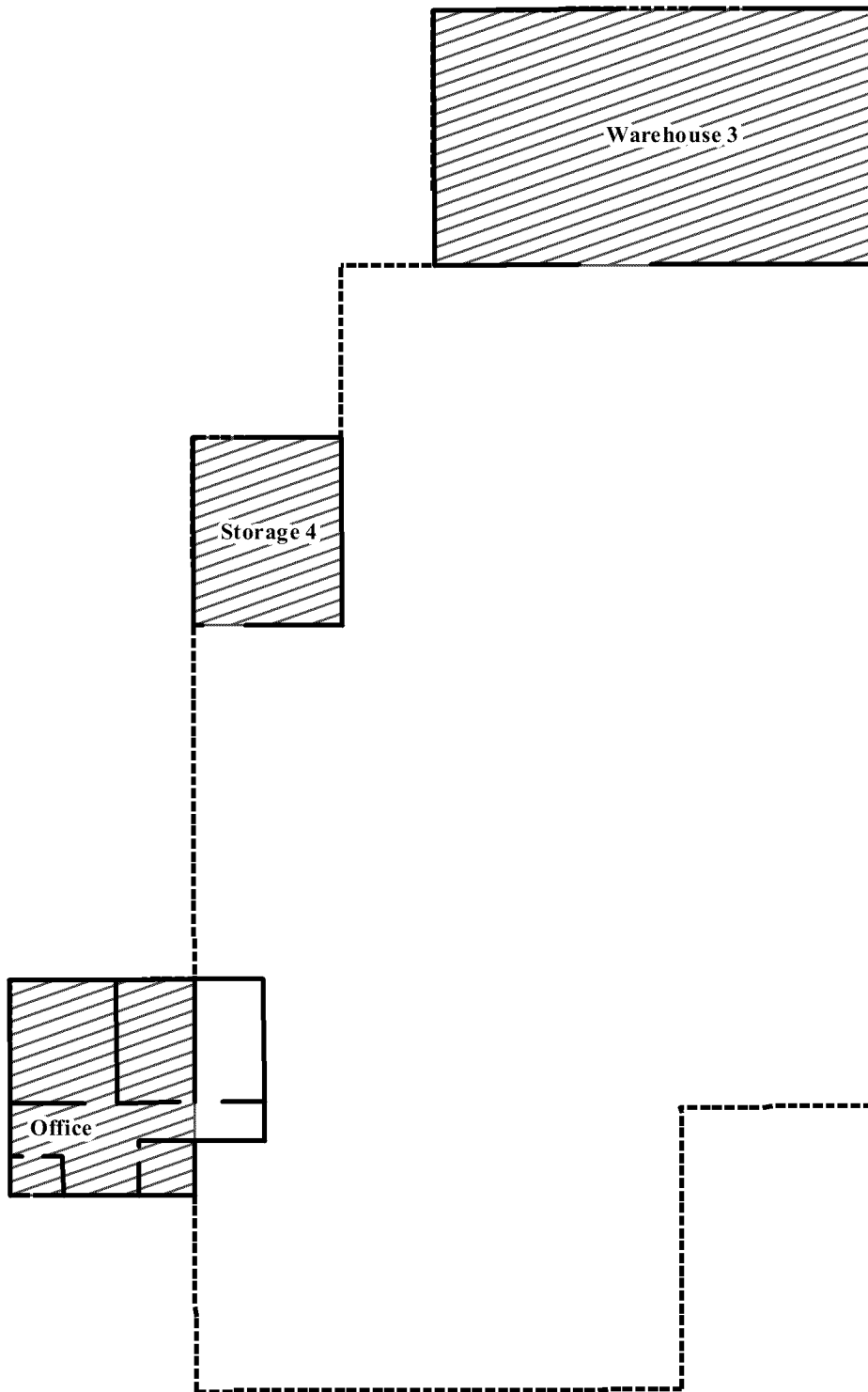
Peter Lisichenko

Technical Manager / Hydrogeologist

Enclosure

cc: TDD File No.: TO-0006-0061





- Areas of Concern
- Structure Outline
- Area of Excavation



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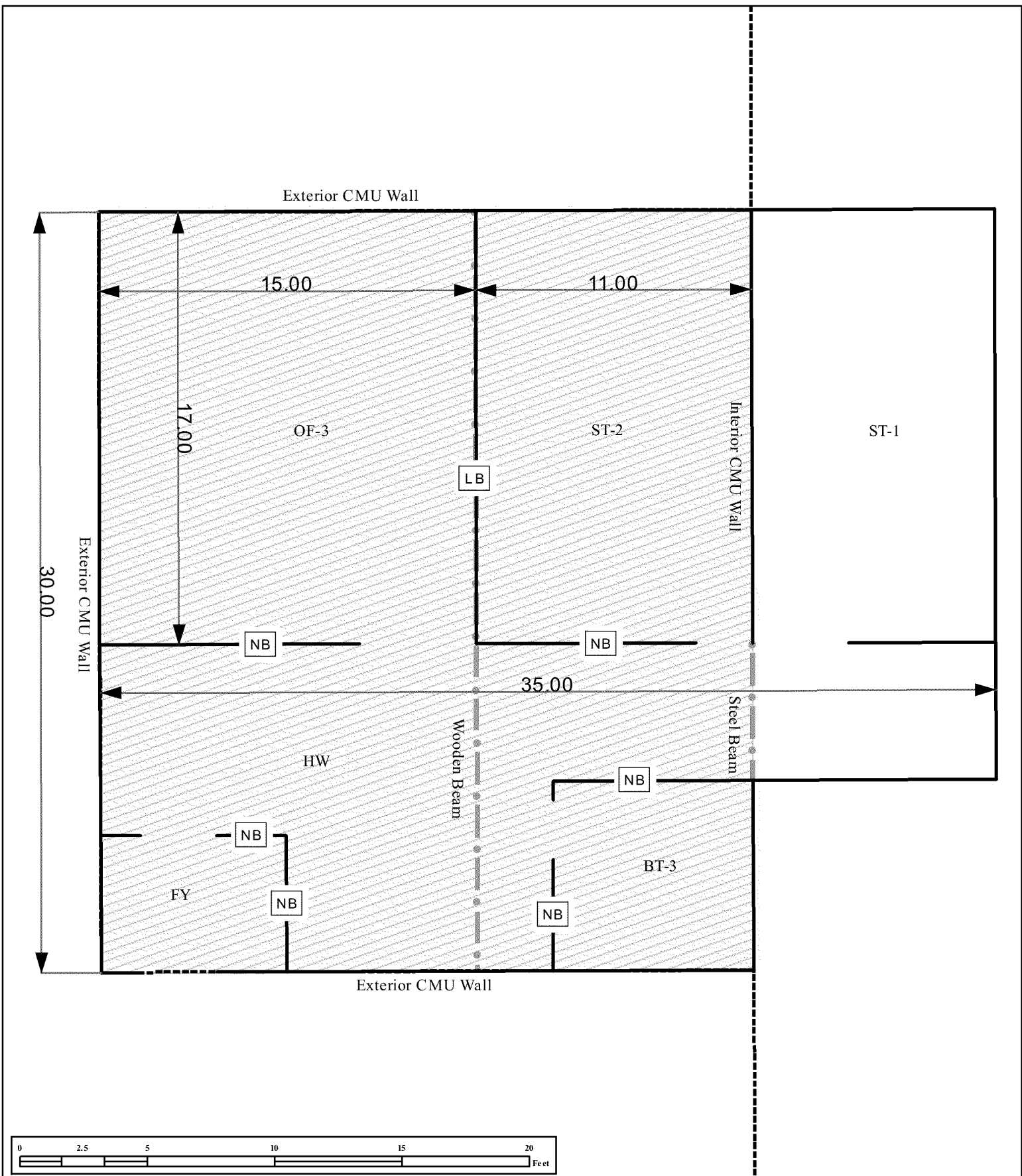
Figure 1: Overview


Niagara Falls Boulevard Site
Niagara Falls, New York

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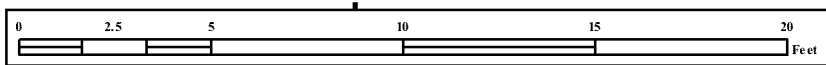
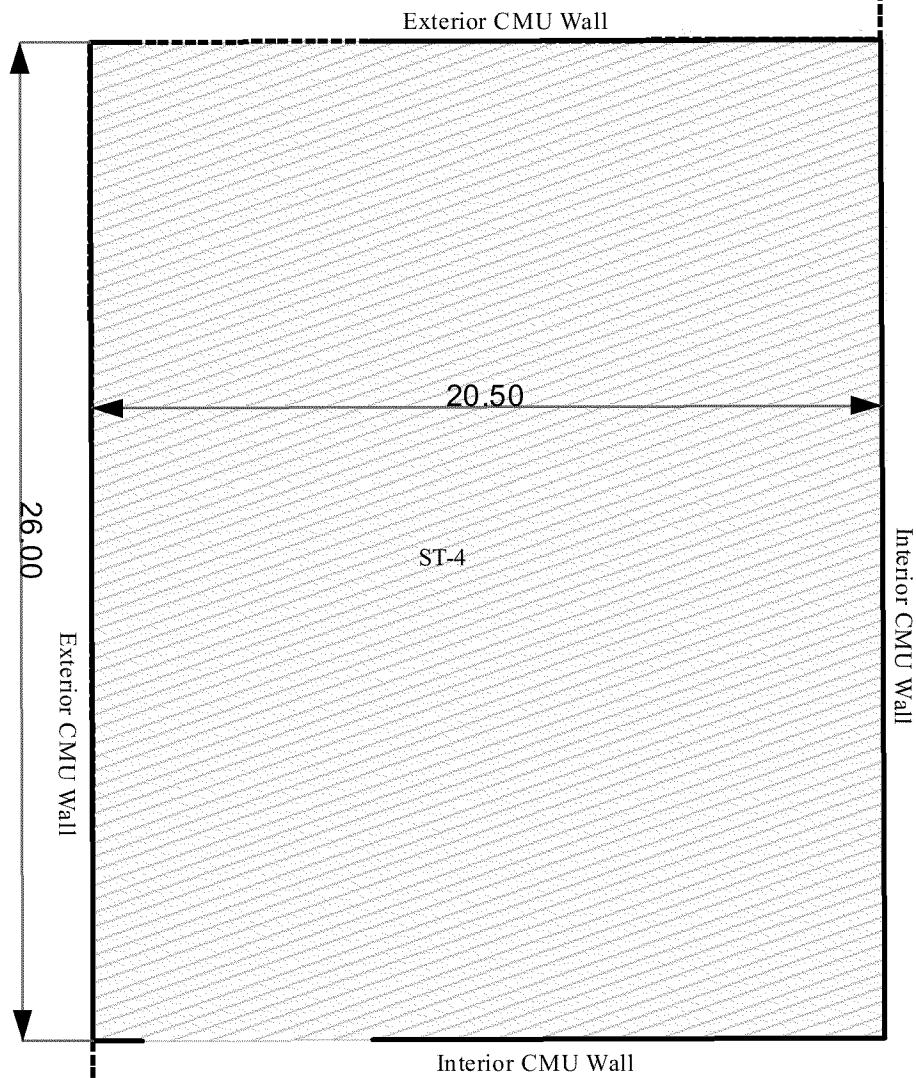
DATE MODIFIED: 5/4/2016

GIS ANALYST:	P. Lisichenko
EPA OSC:	E. Daly
RST SPM:	B. Nwosu
FILENAME:	160429_NFB_BUILDINGOUTLINE.MXD



Legend — Areas of Concern - - - Structure Outline ● Support Structure ▨ Area of Excavation		Wall Type LB Load Bearing NB Non-load Bearing		 Weston Solutions, Inc. East Division In Association With Scientific and Environmental Associates, Inc., Environmental Compliance Consultants, Inc., Avatar Environmental, LLC, On-Site Environmental, Inc. and Sovereign Consulting, Inc.	Figure 2: Office Niagara Falls Boulevard Site Niagara Falls, New York U.S. ENVIRONMENTAL PROTECTION AGENCY REMOVAL SUPPORT TEAM 3 CONTRACT # EP-S2-14-01	
					GIS ANALYST: P. Lisichenko EPA OSC: E. Daly RST SPM: B. Nwosu FILENAME: 160429_NFB_OFFICE.MXD	

Distance measurements presented in feet.



- Legend**
- Areas of Concern
 - Structure Outline
 - Area of Excavation



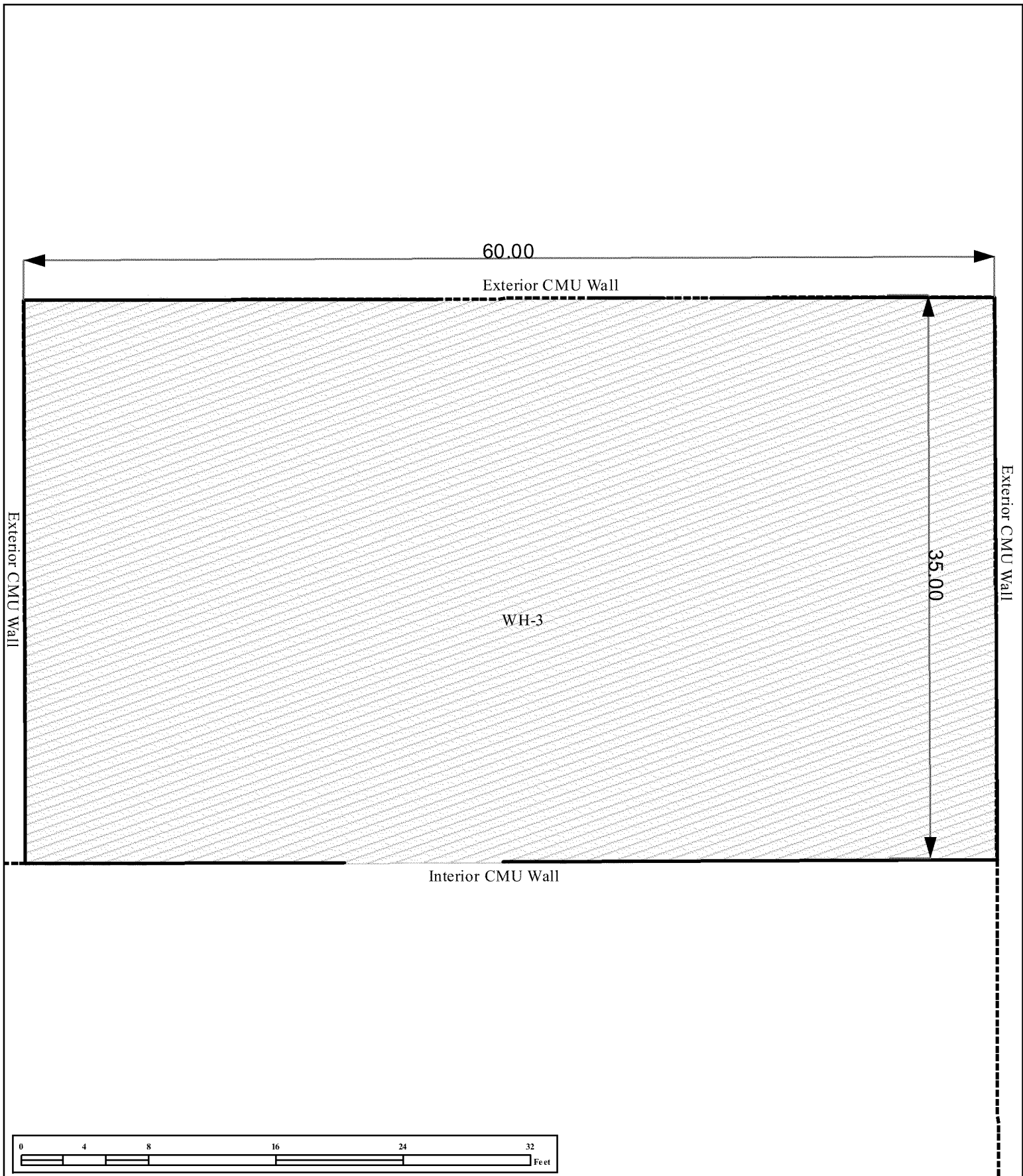
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Figure 3: Storage 4	
Niagara Falls Boulevard Site Niagara Falls, New York	
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FILENAME:	160429_NFB_STORAGE4.MXD

Distance measurements presented in feet.



- Legend**
- Areas of Concern
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Figure 4: Warehouse 3

Niagara Falls Boulevard Site
Niagara Falls, New York

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FILENAME:	160429_NFB_WAREHOUSE3.MXD

Distance measurements presented in feet.